

ABSTRACT OF THE DISCLOSURE

A combination for retaining a screen clamping rail with bolts having non-round portions between the bolt heads and the threaded portions of the bolts, such as carriage bolts, where such portions between bolt heads and threads are square. The improvement over the prior art being the addition of retainer devices at the junction of the threaded portion and the non-round portions of the bolts after the bolts have been passed through non-round holes of like shape and size in the screen clamping rail. This facilitates the installation of the assembly of screen clamping rail, bolts, and retainers into the media separating shaker machine to clamp the shaker screens against the side of the machine without having the bolts either back out completely or back out far enough so that the non-round portions become disengaged allowing the bolts to rotate while attempting to install and tighten, or loosen, nuts onto the bolt threads from outside the shaker machine.

While this combination offers much ease of installation and disassembly to the field of art of media separating shaker machinery, it is applicable in any assembly where the heads of bolts cannot be easily held with a wrench or where carriage bolts or bolts with other non-round engagements portions cannot be positively maintained in engagement with like non-round holes while assembly or disassembly is in progress.